



# Grabber Bot Made of Legos, Snap Circuits, and the Spy Video Trakr

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## SUMMARY

In this Make:Project I will demonstrate how to use Legos, Snap Circuits, and the Spy Video Trakr to create a remote controlled grabber bot. I will demonstrate how to download and install the C language compiler for the Trakr. Next, I'll explain how to compile a simple program and install it on the Trakr and then run this simple program. Then I will demonstrate how to open up the Trakr, attach jumper pins to the GPIO connections on the circuit board of the Trakr. With the jumper pins installed I'll show you how to tap into the 9 volt power supply of the Trakr and make connection cables to connect to Snap Circuits and the Lego motor. The Lego grabber arm will need to be mounted on the Trakr, so I'll show you how to attach a payload deck made out of Legos. Finally, I'll provide you with the C language code that you can compile and install on the Trakr to operate the remote controlled grabber bot.

## **Step 1 — Grabber Bot Made of Legos, Snap Circuits, and the Spy Video Trakr**

- The Spy Video Trakr is a remote controlled robot equipped with a microphone and color video camera, speaker, a near-infrared LED for night vision, an SD memory card slot for recording audio/video and 8MB of on board memory for storing downloadable and user-designed programs. The remote control unit has control levers to drive the robot, a speaker and color video display so you can hear the audio picked up by the microphone and display the video transmitted by the camera, and several function buttons that can be used to control additional program functions of user designed programs.
- For build instructions and programming go to:
- <http://www.instructables.com/id/Make-a-G...>

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